APPENDIX D

ALKALINITY CONCENTRATION GRAPHS

BENCHMARK LOCATIONS

Figure D-1

Banks Alkalinity Concentration: 1/90 - 3/94

Notes:

The alkalinity concentration at Banks ranges around 70 mg/l from a low of about 50 to a high of about 90 mg/l. The evidence for seasonal trends is not strong. It may be that concentrations are somewhat

higher in the spring and lower in late summer.

Figure D-2

Greene's Landing Alkalinity Concentration: 1/90 - 9/93

Notes:

The alkalinity concentration at Greene's Landing ranges around 60 mg/l, lower than at Banks. No seasonal trend was apparent.

Figure D-3

Vernalis Alkalinity Concentration: 1/89 - 8/93

Notes:

Alkalinity concentrations at Vernalis are much higher than either Banks or Greene's Landing. Concentrations range around 100 mg/l with a low of about 50 and a high of over 140 mg/l. There is no apparent

seasonal trend.

SACRAMENTO BASIN AGRICULTURAL DISCHARGES

Figure D-4

Natomas East Main Drain Alkalinity Concentration: 10/89 -8/93

Notes:

There is a great deal of range in these alkalinity concentrations from about 50 to 300 mg/l. The highest concentrations appear to be during the early part of the calendar year - but extend beyond the rain season.

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8 8 8 ೪ 8 න 8 8 ㅎ 8 1/1/90 2/15/90 4/1/90 Figure D-1. Banks Pumping Plant Alkalinity Concentration, 1990-1994 (mg/l) 5/16/90 6/30/90 8/14/90 9/28/90 11/12/90 12/27/90 2/10/91 3/27/91 5/11/91 6/25/91 8/9/91 9/23/91 11/7/91 12/22/91 2/5/92 3/21/92 5/5/92 6/19/92 8/3/92 9/17/92 11/1/92 12/16/92 1/30/93 3/16/93 4/30/93 6/14/93 7/29/93 9/12/93 10/27/93 12/11/93 1/25/94 3/11/94

8 ೪ 8 8 8 8 8 ㅎ 8 1/1/90 2/9/90 3/20/90 4/28/90 Figure D-2. Greens Landing Alkalinity Concentration, 1990-1993 (mg/l) 6/6/90 7/15/90 8/23/90 10/1/90 11/9/90 12/18/90 1/26/91 3/6/91 4/14/91 5/23/91 7/1/91 8/9/91 9/17/91 10/26/91 12/4/91 1/12/92 2/20/92 3/30/92 5/8/92 6/16/92 7/25/92 9/2/92 10/11/92 11/19/92 12/28/92 2/5/93 3/16/93 4/24/93 6/2/93 7/11/93 8/19/93 9/27/93

Figure D-3. Vernalis Alkalinity Concentration, 1989–1993 (mg/l)



